

**DOWSIL™ Q2-3067 Optical Couplant**

Transparent, grease-like material

Features & Benefits

- Good low temperature adhesion
- High clarity, good resolution properties
- Excellent mechanical shear stability
- Makes the interface between itself and the clear substrate invisible

Applications

- For optical coupling
- Prevents reflection and loss of intensity during light transmission
- Improves the sensitivity of many optical devices
- The elimination of the interface between transmitting mediums makes it useful in fibre optics, electro-optic systems & lens assemblies, as well as other light-sensing instruments

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Color		Pale amber
Penetration unworked/worked: 60		220/230
Bleed after 24 hours at 100°C	%	0
Bleed after 24 hours at 150°C	%	1.3
Evaporation after 24 hours at 100°C	%	1.5
Evaporation after 24 hours at 150°C	%	3.5
Specific gravity at 25°C/15.6°C		0.976
Refractive index at D line sodium	589 nm	1.4658
Light transmission at 10 mm thickness:		
Wavelength: 0.40 µm	%	70
Wavelength: 0.50 µm	%	87
Wavelength: 0.60 µm	%	92
Wavelength: 0.70 µm	%	92
Wavelength: 0.80 µm	%	94
Wavelength: 0.90 µm	%	92
Wavelength: 1.00 µm	%	87
Wavelength: 1.10 µm	%	92
Wavelength: 1.20 µm	%	31

How to Use

Application of DOWSIL™ Q2-3067 Optical Couplant can be achieved either with a blade, syringe or automated dispensing equipment. Air entrapment can result. After application, the units to be coupled can be pressed and rotated to remove excess compound and air. If required, application of a vacuum (about 600 mm Hg) for approximately 5 minutes will remove any air.

**Handling
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and
Storage**

When stored at or below 30°C in the original unopened containers, this product has a usable life of 11 months from the date of production.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health and
Environmental
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

How Can We Help You Today?

Tell us about your performance, design, and manufacturing challenges. Let us put our silicon-based materials experience, application knowledge, and processing experience to work for you.

For more information about our materials and capabilities, visit dow.com.

To discuss how we could work together to address your specific needs, go to dow.com for a contact close to your location. Dow has customer service teams, science and technology centers, application support teams, sales offices, and manufacturing sites around the globe.

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